| Name of Range | Name of Locality | Method of carbonisation | Period of Supply | No. of Bags to be supplied a day | Name of Tram Siding | Approximate distance in miles | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Jungle miles | Road miles | Total |
| Umblebyle Range. | Chornedehalli State Forest Coupes 8 and 9 (Samudrahalli and Kaithotlu). | Country Kilns | 15-11-38 to 15-3-39 | 200 | Umblebyle | 6 | | 6 |
| | Chornedehalli Coupes 7, 8 and 9. | Direct Burning. | 16-3-39 to 15-6-39 | 200 | Do | 7 | | 7 |
| | THADASA SUB-DIVISION. | | | | | | | |
| Thadasa Range. | Salur Kovehadlu Coupe Lots. | Country Kilns | 15-11-38 to 15-6-39 | 70 | Agasanahadlu | 4 | 9 | 13 |
| | Gorgal District Forest Carbonisation of heavy billets and dry stems. | Direct burning. | Do | 50 | Do | 4 | | 4 |
| Muthodi Range. | Puradahadlu and Kosve | Country Kilns | 15-1-39 to 15-3-39 | 20 | Hobbe Tram Yard. | 10 | | 10 |
| | TARIKERE SUB-DIVISION. | | | | | | | |
| Lakkavalli | Tyagadabagi District Forest and Coupes. | Country Kilns | 15-11-38 to 15-6-39 | 125 | Rangenahalli | 10 | | 10 |
| | Thimmapur | Do | Do | 30 | Tanigebyle | 6 | | 6 |
| | Sukkathatti | Direct burning. | 15-11-38 to 15-3-39 | 100 | Rangenahalli | 10 | | 10 |
| | Lakkavalli | Do | 15-11-38 to 15-6-39 | 75 | Haruvanahalli | 5 | | 5 |
| | BHADRAVATHI SUB-DIVISION. | | | | | | | |
| Chennagiri | Kukwada-Ubrani Coupes 5, 6 and 7 and Bandigudda. | Direct burning. | 15-11-38 to 15-6-39 | 100 | Bandigudda | 5 | | 5 |
| | Kukwada-Ubrani 8 and 9 Coppice with standards. | Do | Do | 50 | Bhadravathi | 3 | 16 | 19 |
| | Kukwada-Ubrani Coupes 9 and 10 simple coppice. | Do | Do | 50 | Do | 3 | 17 | 20 |
| | Bhadrapur Forest Gopinal and Hosahalli. | Do | Do | 50 | Do | 2 | 16 | 18 |
| Bhadravathi | Antharagange Coupe 5 | Do | Do | 50 | B. J. T. 10½ miles. | 5 | | 5 |

M. G. VENKATA RAO,
*District Forest Officer.*

## ENGINEERING DEPARTMENT

### BUREAU OF SANITARY ENGINEERING, BANGALORE.

*Notification dated 29th August 1938.*

Notice is hereby given that sealed tenders will be received at the Office of the Sanitary Engineer, Bureau of Sanitary Engineering, Bangalore, up to 1 P.M. on 19th September 1938, for laying underground pipe sewers in Gavipuram Extension, Bangalore City. An approximate estimate of quantities is given below. These quantities are not guaranteed. The work should be completed by December 1938.

2. The plans, detailed estimate and conditions may be seen at the Sanitary Engineer's Office between the hours of 11 A.M. and 5 P.M on all office days.

3. Tenders should be submitted on printed forms which may be obtained from the Sanitary Engineer. The tenders should be accompanied by a statement in the form given below, showing the rates at which the different items specified will be executed.

4. Each tender must be accompanied by a deposit of Rs. 400 in cash (no cheques will be accepted) as earnest money, and be superscribed "Tender for laying underground pipe sewers in Gavipuram Extension, Bangalore City", in default of which the tenders will be rejected.

5. The final acceptance of the tender will rest with the Sanitary Engineer who does not bind themselves to accept the lowest or any tender or to assign any reason whatever for the rejection of any tender.

6. Within eight days of the acceptance of the tender, the successful competitor will be required to execute the usual contract bond, in default of which his tender will be considered cancelled and his earnest money will be forfeited.

7. The name of the successful competitor, whose tender has been accepted, will be posted on the Notice Board in the Sanitary Engineer's Office in due course. No enquiries regarding the acceptance or rejection of a tender will receive any reply.

8. On acceptance of one of the tenders, the earnest money on rejected tenders will be returned.

9. Charges on account of scaffolding materials, implements for setting out, barricading, clearing site, supply of water, etc., that may be found necessary during execution will not be paid for separately but should be borne by the contractor.

10. Rates for non-tendered and non-estimated items shall be as per schedule rates of the department or those fixed by the Sanitary Engineer after working out data with not more than 10 per cent for contractor's profit.

11. In all matters not specifically provided for and in all matters of disputes about rates, quantities, measurements, quality of works, etc., and in all disputes of any kind, the decision of the Director of Public Health will be final and legally binding.

12. This department is not bound to give the whole work to the contractor who tenders lowest rates. In the interest of quick execution of work, it may be splitted into different portions and distributed amongst two or more contractors at the lowest tendered rates.

Abstract estimate of quantities of work for laying Street Sewers in Gavipuram Extension, Bangalore City.

| No. | Particlnars | Unit | Quantity |
|---|---|---|---|
| 1 | Earthwork excavation in soil gravel wet earth, soft rock, etc., for laying pipe line and refilling the same with proper consolidation with watering and tamping including barricading, lighting, shoring, water bailing and cutting the tarred portion, etc., complete .. .. .. .. | C.yd. | 1,315 |
| 2 | Providing 7" S.W. pipes of tested quality laying and caulking with hemp, jointing with cement mortar 1:2 including testing with water, etc., complete .. .. .. .. .. .. .. | R.ft. | 2,361 |
| | (a) Laying and jointing S.W. 7" pipes (pipes supplied Departmentally) .. | R.ft. | .. |
| 3 | Constructing circular manholes of 4' diameter inside with 1' thick bed of cement concrete of 7' diameter, side walls, with burnt brick in cement mortar of 1½' thick, top portion being conical section including supplying and fixing C.I. frame of 4 Cwts. and 1'-9" diameter including levelling and cement concrete drain in bed upto ¾ of the pipe, cement plastering ½" thick inside and exposed parts outside, supplying and fixing C.I. steps at intervals of 1'-3" deep, with earthwork excavation, slush removal, shoring, etc., water-bailing and refilling and tamping earth, with watering barricading, lighting, including painting iron materials, etc., complete— | | |
| | Manholes upto 3' to 4' deep. .. .. .. .. | Each | |
| | Do 4' to 5' ,, .. .. .. .. | ,, | |
| | Do 5' to 6' ,, .. .. .. .. | ,, | |
| 4 | Supplying and laying 4" full pipes with hemp and caulking with hemp, jointing with cement mortar for house connection including earthwork excavation, etc. .. .. .. .. .. .. | R.ft. | 1,08 |
| 5 | Providing 7"×4" junction pipes right angled, oblique or Y junction of tested quality, laying and jointing, etc., of 2' long 7"×4" junction pipe of 2' long .. .. .. .. .. .. .. | Each | 8 |
| | (a) Laying and jointing junction pipes 7"×4" (pipes supplied Departmentally) .. .. .. .. .. .. .. | ,, | .. |
| 6 | Providing 6"×4" S.W. gully trap with C.I. grating, constructing cisterns with burnt brick in cement mortar and cement plastering ½" thick inside and outside and fixing gully trap with cement concrete 6" around in bed, including necessary wall bores, etc., complete— | | |
| | Do 6"×4" gully trap .. .. .. .. | ,, | 90 |
| 7 | Carting surplus earth withthin the municipal limits as pointed out, etc. .. | C.yd. | 429 |
| 8 | Constructing ordinary cisterns 10"×10" with burnt brick in cement mortar 1:4 proportion and 4½" thick, cement concrete bed 1:2½:5 proportion and providing and fixing C.I. hinged lids and frame with wall bores, etc., complete .. .. .. .. .. .. .. | Each | |

N. KRISHNA IYENGAR,
*Sanitary Engine*